

## ABSTRACT

A shred resistant, ultra-high molecular weight polyethylene, micromesh interproximal device produced by fibrillating and slitting stretched polyethylene film having a tensile-strength from between about 0.7 GPa and about 5GPa, where said polyethylene has an intrinsic viscosity of from between about 5 and about 50 dl/g and wherein said resultant micromesh tape is coated with an oral care substance at from between about 10 and about 120 mg/yd.